

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> (37 CFR 1.63)  <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Attorney Docket Number</b>	SEAG 49243
	<b>First Named Inventor</b>	Dmitri Litvinov et al.
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PERPENDICULAR MAGNETIC RECORDING HEAD FOR IMPROVED RESOLUTION

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

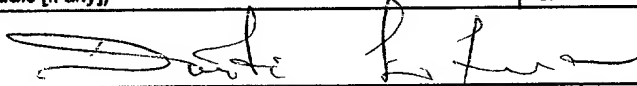
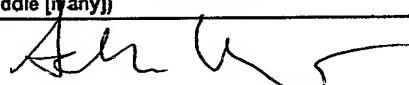
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label		OR <input checked="" type="checkbox"/> Correspondence address below	
Name Benjamin T. Queen, II Pietragallo, Bosick & Gordon			
Address One Oxford Centre, 38th Floor, 301 Grant Street			
City Pittsburgh	State PA	ZIP 15219	
Country U.S.A.	Telephone 412 - 263-4360	Fax 412 - 261-0915	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>			
NAME OF SOLE OR FIRST INVENTOR :		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Dmitri		Family Name or Surname Litvinov	
Inventor's Signature 		Date 12/13/01	
Residence: City Pittsburgh	State PA	Country U.S.A.	Citizenship Ukraine
Mailing Address 5463 Wilkins Avenue			
City Pittsburgh	State PA	ZIP 15217	Country U.S.A.
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Sakhrat		Family Name or Surname Khizroev	
Inventor's Signature 		Date 12/13/01	
Residence: City Pittsburgh	State PA	Country U.S.A.	Citizenship Russia
Mailing Address 6380 Caton Street			
City Pittsburgh	State PA	ZIP 15217	Country U.S.A.
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			

Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Dmitri Litvinov et al.
Title	PERPENDICULAR MAGNETIC*
Group Art Unit	
Examiner Name	
Attorney Docket Number	SEAG 49243

\* RECORDING HEAD FOR IMPROVED RESOLUTION

I hereby appoint:

☒ Practitioners at Customer Number

29694

Place Customer  
Number Bar Code  
Label here

☒ Practitioner(s) named below:

Derek J. Berger, Reg. No. 45,401; Carol I. Bordas, Reg. No. 37,284;  
Kirk A. Cesari, Reg. No. P-47,479; Shawn B. Dempster, Reg. No. 34,321;  
Paul T. Dietz, Reg. No. 38,858; Raghunath Minisandram, Reg. No. 38,683;  
and Jonathan E. Olson, Reg. No. 41,231, and of Seagate Technology LLC  
as attorneys and/or patent agents with the full power to represent the  
applicant in connection with this application.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

Place Customer  
Number Bar Code  
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☒ Firm or  
Individual Name

Benjamin T. Queen, II

Address

Pietragallo, Bosick & Gordon

Address

One Oxford Centre, 38th Floor, 301 Grant Street

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PA

Zip

15219

Country

USA

Telephone

412 - 263-4360

Fax

412 - 261-0915

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Carol I. Bordas

Signature

*Carol I. Bordas*

Date

12/13/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\* Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Dmitri Litvinov et al.  
 Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: Filed Concurrent  
Herewith  
 Entitled: PERPENDICULAR MAGNETIC RECORDING HEAD FOR IMPROVED RESOLUTION  
Seagate Technology LLC, a Limited Liability Company  
 \_\_\_\_\_  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
 2. ☐ an assignee of less than the entire right, title and interest.  
 The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
 2. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
 3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.  
 [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12/13/01  
 \_\_\_\_\_  
 Date

Carol I. Bordas, Reg. No. 37,284

Carol I. Bordas  
 \_\_\_\_\_  
 Typed or printed name  
Signature  
IP Division Counsel  
 \_\_\_\_\_  
 Title